

Durham SciTech Talks Series 2014

Discover Contemporary Issues in **SCIENCE**

Mars Global Surveyor

MAG/ER

MARS: A Magnetic History

**FREE
ADMISSION!**
Please
join us!

Mars is a planet of many mysteries. Recent missions to the red planet have provided new clues to help our understanding of the complex processes that have shaped Mars' surface and its history. In this talk I will focus on Mars' crustal magnetic field and discuss how giant impacts in Mars' past may have influenced the planet's deep interior as well as its surface and atmosphere. I will also introduce the MAVEN mission which arrived at Mars in September and will provide vital new data on the enigmatic planet.



DR. SABINE STANLEY
Canada Research Chair
in Planetary Physics
Associate Professor
Department of Physics
University Of Toronto

DR. STANLEY uses computer simulations and data from planetary missions to try and understand the processes in the deep interiors of planets. My current investigations include trying to understand the weak magnetic field of Mercury, the hemispheric magnetic field of Mars, Saturn's symmetric field, Neptune's water dynamo and the possibility of detecting magnetic fields from exoplanets.

October 23, 2014 7:00 pm - 8:15 pm

**Durham District School Board, Education Centre, Boardroom
400 Taunton Road East, Whitby**

